



0-075

(57)Abstract:

PURPOSE: To improve a mounting density on a circuit board by forming a plurality of chip capacity varistors within one chip.

CONSTITUTION: After a voltage nonlinear resistance ceramic material is printed on green sheets 2, 3 of four green sheets 1-4 and dried, conductive paste is further so printed by a doctor blade method as to become a predetermined shape, and dried to form inner electrodes 5, 6a, 6b. A capacity varistor element is formed of a pair of the electrodes 5, 6a and a pair of the electrodes 5, 6b held at both sides of the material for forming the sheet 2 of the electrodes 5, 6a, 6b. Then, after the sheets 1-4 are laminated and thermally press-bonded, a sintered material is formed. This material is barrel-polished to expose the electrodes 5, 6a, 6b from its side, coated at exposed parts with the paste, thereby forming electrodes 7, 8 connected to the electrodes 6a, 6b and electrodes 9a, 9b connected to the electrode 5.

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(54) PI LC FILTER AND PI LC FILTER ARRAY